Appl. No.: 10/078,612

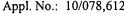
1

Amdt. dated September 26, 2003 Reply to Office Action of May 28, 2003

## **CLAIM AMENDMENTS**

1	1.	(Original) A sand screen for use in production of hydrocarbons from wells
2	comprising a	n intelligent completions device disposed in the sand screen.

- 1 2. (Original) The sand screen of claim 1, wherein the intelligent completions device 2 comprises a sensor.
- 3. (Original) The sand screen of claim 1, wherein the intelligent completions device
   comprises a temperature sensor.
  - 4. (Original) The sand screen of claim 1, wherein the intelligent completions device comprises a pressure sensor.
- 1 5. (Original) The sand screen of claim 1, wherein the intelligent completions device comprises a flow rate measurement device.
- 1 6. (Original) The sand screen of claim 1, wherein the intelligent completions device comprises a oil/water/gas ratio measurement device.
- 7. (Original) The sand screen of claim 1, wherein the intelligent completions device comprises a scale detector.
- 8. (Original) The sand screen of claim 1, wherein the intelligent completions device comprises a sand detection device.



Appl. No.: 10/078,612 Amdt. dated September 26, 2003 Reply to Office Action of May 28, 2003

1	9.	(Original) A gravel pack system, comprising:	
2		a sand screen; and	
3		an intelligent completions device disposed within the sand screen.	
1	10.	(Original) The gravel pack system of claim 9, wherein the intelligent completions	
2	device comprises a sensor.		
1	11.	(Original) The gravel pack system of claim 9, wherein the intelligent completions	
Ž.	device comprises a temperature sensor.		
1	12.	(Original) The gravel pack system of claim 9, wherein the intelligent completions	
2	device comprises a pressure sensor.		
1.	13.	(Original) The gravel pack system of claim 9, wherein the intelligent completions	
2	device is sele	cted from a flow rate measurement device, an oil/water/gas ratio measurement	
3	device, a scale detector, and a sand detection device.		
1	14.	(Currently Amended) A The gravel pack system of claim 9, further comprising:	
2		a sand screen;	
3		an intelligent completions device disposed within the sand screen; and	
4		a fiber optic cable.	
1	15.	(Original) The gravel pack system of claim 9, further comprising a control line	
2	connected to	the intelligent completions device.	
1	16.	(Original) The gravel pack system of claim 15, wherein the control line is selected	
2	from an electric line and a fiber optic line.		

Appl. No.: 10/078,612

Amdt. dated September 26, 2003 Reply to Office Action of May 28, 2003

the sand screen and a formation.

5

2

sensor.

- 1 17. (Original) The gravel pack system of claim 9, further comprising a control line 2 extending from the surface to the intelligent completions device.
- 1 18. (Original) A method for placing a gravel pack around a completion, comprising:
  2 gathering data from an intelligent completions device disposed in a sand screen of
  3 the completion; and
  4 flowing a gravel slurry into the assembly wherein a gravel is deposited between
- 1 19. (Original) The method of claim 18, wherein the intelligent completions device is a
- 1 20. (Original) A method of monitoring a well characteristic of a well, comprising:
  2 running a control line to an intelligent completions device disposed in a sand
  3 screen;
  4 running the sand screen into the well; and
  5 sending a signal through the control line.
- 1 21. (Original) The method of claim 20, wherein the intelligent completions device is a 2 sensor.
- 1 22. (Cancelled)
- 1 23. (Cancelled)

Appl. No.: 10/078,612

Amdt. dated September 26, 2003 Reply to Office Action of May 28, 2003

l	24.	(Original) A method for gravel packing a well, comprising:
2		running a sand screen into a particular length of the well;
3		extending a fiber optic line into the particular length of the well; and
1		gravel packing the well.

- 1 25. (Original) The method of claim 24, further comprising performing the running 2 step at substantially the same time as the extending step.
- 1 26. (Original) The method of claim 24, further comprising performing the running 2 step before the extending step.



3

5

- 27. (Previously Presented) A well completion, comprising:
  a sand screen;
  an intelligent device disposed within the sand screen; and
  a service string adapted to perform sand-control pumping and circulation operations.
- 1 28. (Previously Presented) The gravel pack system of claim 9, further comprising an 2 assembly to perform a gravel pack operation.
- 1 29. (Previously Presented) The method of claim 20, further comprising performing sand-control pumping and circulation operations.